



TECHNICAL DATA

FOR DENSE CASTABLE – LCC



BRAND NAME :

NC51 - 16LVMO

RAW MATERIAL BASIS :

BAUXITE - SILICON CARBIDE

PHYSICAL PROPERTIES :

| | |
|---|--------------|
| Maximum service temperature ,°C | 1550 |
| Dry castable required , Kg/m ³ | 2600 |
| Approximate amount of water required for pouring , Liter /25Kg | 1.25 – 1.6 |
| Bulk density , Kg/m ³ after drying at 110°C | 2670 |
| Cold crushing strength , Kg/cm ² after drying at 110°C | 700 – 1000 |
| after heating at 1430°C | 600 – 900 |
| Permanent Linear Change , % after heating at 1430°C | -1.5 to +1.5 |
| Grain size, mm | 0 – 6 |

CHEMICAL ANALYSIS :

(calcind basis)

| | |
|--|------|
| SiC | 9.9 |
| SiO ₂ | 17.3 |
| Al ₂ O ₃ | 65.3 |
| TiO ₂ | 2.5 |
| Fe ₂ O ₃ | 1.5 |
| CaO | 2.5 |
| Na ₂ O + K ₂ O + Li ₂ O | 1.0 |

PACKING IN SACKS OF , Kg

25

The data are subject to reasonable variations and therefore should not be used for specification purposes .

ASTM Test Methods , where applicable , used for determination of data .

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